

PATENT
HES 2002-IP-007905U1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Dale E. Jamison)
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)
) Art Unit: Unknown
)
Serial No.: Unknown)
)
Filed: Concurrently Herewith) Examiner: Unknown
)
For: VARIABLE DENSITY TREATMENT)
 FLUIDS AND METHODS OF USING)
 SUCH FLUIDS IN SUBTERRANEAN)
 FORMATIONS)

INFORMATION DISCLOSURE STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

U.S. Patent No. 4,234,344 issued November 18, 1980 to John M. Tinsley et al.

U.S. Patent No. 4,304,298 issued December 8, 1981 to David L. Sutton.

U.S. Patent No. 4,340,427 issued July 20, 1982 to David L. Sutton.

U.S. Patent No. 4,367,093 issued January 4, 1983 to John F. Burkhalter et al.

U.S. Patent No. 4,450,009 issued May 22, 1984 to Jerry D. Childs et al.

U.S. Patent No. 4,450,010 issued May 22, 1984 to John F. Burkhalter et al.

U.S. Patent No. 4,460,052 issued July 17, 1984 to Judith Gockel.

U.S. Patent No. 4,498,995 issued February 12, 1985 to Judith Gockel.

U.S. Patent No. 4,676,317 issued June 30, 1987 to Slaton E. Fry et al.

U.S. Patent No. 4,700,780 issued October 20, 1987 to Lance E. Brothers.

U.S. Patent No. 4,703,801 issued November 3, 1987 to Slaton E. Fry et al.

U.S. Patent No. 4,806,164 issued February 21, 1989 to Lance E. Brothers.

U.S. Patent No. 5,124,186 issued June 23, 1992 to Joseph S. Wycech.

U.S. Patent No. 5,837,739 issued November 17, 1998 to Gregory P. Nowak et al.

U.S. Patent No. 6,279,652 B1 issued August 28, 2001 to Jiten Chatterji et al.

U.S. Patent No. 6,367,549 B1 issued April 9, 2002 to Jiten Chatterji et al.

U.S. Patent No. 6,457,524 B1 issued October 1, 2002 to Craig W. Roddy.

U.S. Patent No. 6,398,866 B1 issued June 4, 2002 to Franz Wombacher et al.

U.S. Patent No. 6,530,437 B2 issued March 11, 2003 to William C. Maurer et al.

U.S. Patent No. 4,370,166 issued January 25, 1983 to Charles A. Powers et al.

U.S. Patent No. 6,508,305 B1 issued January 21, 2003 to Harold D. Brannon et al.

U.S. Patent No. 4,565,578 issued January 21, 1986 to David L. Sutton et al.

OTHER MATERIAL

3M Specialty Materials brochure entitled “3M™ Microspheres” dated September 2000.

3M Specialty Materials brochure entitled “3M Scotchlite™ Glass Bubbles” dated July 1999.

AKZO Nobel brochure entitled “Expancel”.

3M Specialty Materials brochure entitled “Specialty Materials For The Oil & Gas Industry” dated June 2001.

Halliburton brochure entitled “Spherelite Cement Additive” date d 1999.

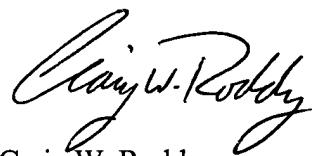
U.S. PATENT APPLICATION PUBLICATIONS

U.S. Patent Application Publication No. US 2002-0108786 A1 published August 15, 2002 to Michael V. Rowden.

U.S. Patent Application Publication No. US 2002/0108782 A1 published August 15, 2002 to Luc de Boer.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,



Craig W. Roddy
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580-251-3012

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		ATTY. DOCKET NO. 2002-IP-007905U1	SERIAL NO. Unknown
APPLICANT Dale E. Jamison			
		FILING DATE Concurrently herewith	GROUP Unknown

U. S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	4,234,344	11/18/80	Tinsley et al.	106	88	
	AB	4,304,298	12/08/81	Sutton	166	293	
	AC	4,340,427	07/20/82	Sutton	106	87	
	AD	4,367,093	01/04/83	Burkhalter et al.	106	87	
	AE	4,450,009	05/22/84	Childs et al.	106	76	
	AF	4,450,010	05/22/84	Burkhalter et al.	106	87	
	AG	4,460,052	07/17/84	Gockel	175	72	
	AH	4,498,995	02/12/85	Gockel	252	8.5 LC	
	AI	4,676,317	06/30/87	Fry et al.	166	293	
	AJ	4,700,780	10/20/87	Brothers	166	293	
	AK	4,703,801	11/03/87	Fry et al.	166	293	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
							Yes
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	3M Specialty Materials brochure entitled "3M™ Microspheres" dated
		September 2000.
	AS	3M Specialty Materials brochure entitled "3M Scotchilte™ Glass Bubbles"
		Dated July 1999.
	AT	AKZO Nobel brochure entitled "Expancel".

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	4,806,164	02/21/89	Brothers	106	90	
	AB	5,124,186	06/23/92	Wycech	428	35.8	
	AC	5,837,739	11/17/98	Nowak et al.	521	54	
	AD	6,279,652 B1	08/28/01	Chatterji et al.	166	194	
	AE	6,367,549 B1	04/09/02	Chatterji et al.	166	292	
	AF	6,457,524 B1	10/01/02	Roddy	166	293	
	AG	6,398,866 B1	06/04/02	Wombacher et al.	106	823	
	AH	6,530,437 B2	03/11/03	Maurer et al.	175	5	
	AI	US 2002/0108786 A1	08/15/02	Rowder	175	57	
	AJ	US 2002/0108782 A1	08/15/02	De Boer	175	7	
	AK	4,370,166	01/25/83	Powers et al.	106	97	

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							Yes <input type="checkbox"/> No <input type="checkbox"/>
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AS	3M Specialty Materials brochure entitled "Specialty Materials For the
		Oil & Gas Industry" dated June 2001.
	AT	Halliburton brochure entitled "Spherelite Cement Additive" dated 1999.
	AU	

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